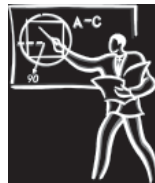


# Utah Metro Job Trends

**Metro Occupational Outlook**



**Utah Department of Workforce Services**  
Current through September 2005



**On average, workers in nonurban areas can expect to earn lower wages than statewide figures.**

# Wages

The wage rates in this publication show the entry-level and average wages for experienced workers.

**Average wages** combine figures for workers with 30 years of experience as well as those with three years of experience.

Workers entering an occupation for the first time should use entry-level wages for decision-

making purposes. Wages were collected by the Utah Department of Workforce Services between October 2002 and July 2003. For more information on occupational wages visit our web site:

<http://jobs.utah.gov/wi/pubs/Wnl/dwsdefault.asp>

## Five Star Jobs

**Strongest employment outlook and high wages.**



### Question:

What is a  
"Five Star" Job?



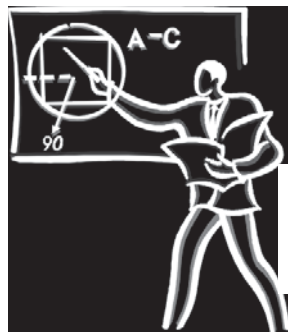
### Answer:

The Utah Department of Workforce Services has just introduced a new way to rank jobs based on employment outlook and wages.

In this new rating system, five star jobs are those with the strongest employment outlook **and** high wages. The employment outlook rating is based 85 percent on the number of annual openings projected for that occupation and 15 percent

on the rate of new employment growth in that job. Wage rankings use the median annual wage from the Utah wage survey conducted by the Department of Workforce Services.

The system groups jobs by training level. In other words, a high-paying or five star job with just on-the-job training will not match the wages of a high-paying five star job requiring a college education!



# T Training Levels

**Training levels describe how most workers become proficient in their occupations.**

## **Bachelor's Degree or Higher**

This category includes professional degrees (such as law and medicine), doctoral degrees, master's degrees, bachelor's degrees, and work-experience in an occupation requiring a bachelor's or higher degree (such as manager).

## **More than High School, Less than a Bachelor's Degree**

This group consists primarily of occupations requiring associate degrees and applied technology training. Associate degrees usually require at least two years of full-time academic schooling after high school. Many of these occupations are health-related. Occupations in the applied technology/vocational training category generally require completion of applied technology training programs or courses that do not result in a degree. Program lengths vary greatly and can lead to certification or a diploma. Some of these occupations require a license.

## **On-the-Job Training**

These occupations typically require anything from just a few days or weeks of training to more than 12 months of on-the-job training or combined work experience and formal classroom instruction before workers develop skills needed for average job performance. Training can include watching experienced workers.

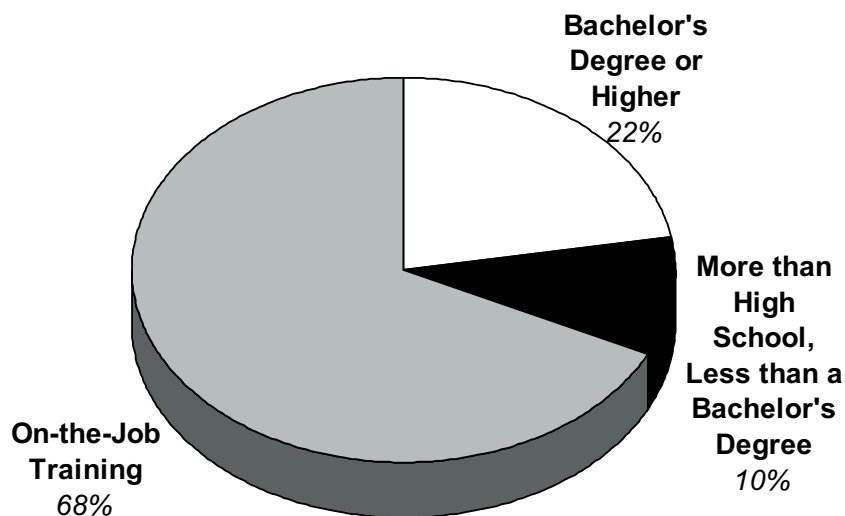
Trainees can be given progressively more difficult assignments as they show

their mastery of lower-level skills.

These training categories can be separated into three levels: long-term (12 or more months), moderate-term (one to 12 months) or short-term (a few days to several weeks).

Applied Technology training may be available for some of the occupations listed in the "on-the-job training" group even though most workers obtained their training while working.

## **Utah Metro New Jobs by Training Level, 2002-2012**



Source: Utah Department of Workforce Services.

# Bachelor's Degree or Higher



## Best of the Five Star Jobs

<b>SOC Code</b>	<b>Title</b>	<b>Hourly Wage</b>		<b>Training Level</b>
		<b>Entry</b>	<b>Average</b>	
15-1032	Computer Software Engineers, Systems Software	\$21.40	\$32.80	Bachelor's degree
17-2072	Electronics Engineers, Except Computer	\$24.70	\$31.40	Bachelor's Degree
11-1021	General and Operations Managers	\$18.10	\$37.70	Degree plus experience
23-1011	Lawyers	\$34.50	\$62.40	First professional degree
29-1051	Pharmacists	\$30.40	\$34.00	First professional degree

## Rest of the Five Star Jobs

<b>SOC Code</b>	<b>Title</b>	<b>Hourly Wage</b>		<b>Training Level</b>
		<b>Entry</b>	<b>Average</b>	
15-1031	Computer Software Engineers, Applications	\$22.00	\$33.70	Bachelor's Degree
15-1051	Computer Systems Analysts	\$21.10	\$28.50	Bachelor's Degree
15-1061	Database Administrators	\$19.40	\$29.20	Bachelor's Degree
11-9032	Education Administrators, Elementary and Secondary School	\$60,500	\$69,300*	Degree plus experience
17-2081	Environmental Engineers	\$22.30	\$30.90	Bachelor's Degree
13-2061	Financial Examiners	\$16.50	\$27.80	Bachelor's Degree
11-3031	Financial Managers	\$16.90	\$33.80	Degree plus experience
17-2121	Health and Safety Engineers, Except Mining Safety Engineers	\$21.60	\$29.80	Bachelor's Degree
11-3040	Human Resources Managers	\$18.50	\$30.80	Degree plus experience
11-9111	Medical and Health Services Managers	\$20.70	\$33.00	Degree plus experience
29-1123	Physical Therapists	\$19.80	\$28.00	Master's Degree
29-1071	Physician Assistants	\$24.70	\$34.10	Bachelor's Degree
41-9031	Sales Engineers	\$20.20	\$34.20	Bachelor's Degree
11-2022	Sales Managers	\$19.10	\$37.90	Degree plus experience
29-1131	Veterinarians	\$25.20	\$40.50	First professional degree

Source: Utah Department of Workforce Services.

\* Annual Wages

\*\* Estimated Wage

# More than High School, Less than a Bachelor's Degree



## Best of the Five Star Jobs

SOC Code	Title	Hourly Wage		Training Level
		Entry	Average	
29-1111	Registered Nurses	\$18.40	\$23.30	Associate Degree

## Rest of the Five Star Jobs

SOC Code	Title	Hourly Wage		Training Level
		Entry	Average	
49-3011	Aircraft Mechanics and Service Technicians	\$15.10	\$20.60	Postsecondary vocational
29-2031	Cardiovascular Technologists & Technicians	\$12.80	\$19.90	Associate degree
29-2021	Dental Hygienists	\$29.80	\$37.70	Associate degree
17-3023	Electrical and Electronic Engineering Technicians	\$8.30	\$19.50	Associate degree
23-2011	Paralegals and Legal Assistants	\$13.40	\$18.50	Associate degree
41-9022	Real Estate Sales Agents	\$10.00	\$23.50	Postsecondary vocational
29-1126	Respiratory Therapists	\$16.90	\$19.90	Associate degree

Source: Utah Department of Workforce Services.

\* Annual Wages

\*\* Estimated Wage

There is  
more



"But, the occupation I want isn't listed here. . ."

"I want more information . . ."

"You don't show the exact number of openings for the jobs listed in the chart. . ."

Not to worry. . . you can find detailed information on the demand for many more Utah occupations on our website:

<http://jobs.utah.gov/wi>.

Scroll down and click on the UEDV button. Use the Utah Economic Data Viewer tool (click on Utah Occupational Information) to find projections for hundreds of occupations in Utah.

All this information is just a few mouse clicks away. . .



# On-the-Job Training



## Best of the Five Star Jobs

<b>SOC Code</b>	<b>Title</b>	<b>Hourly Wage</b>		<b>Training Level</b>
		<b>Entry</b>	<b>Average</b>	
47-1011	First-Line Supervisors/Managers of Construction Trades & Extraction Workers	\$15.80	\$21.90	Related Work Experience
49-1011	First-Line Supervisors/Managers of Mechanics, Installers and Repairers	\$13.20	\$22.20	Related Work Experience
41-1012	First-Line Supervisor/Managers of Non-Retail Sales Workers	\$13.20	\$24.70	Related Work Experience
51-1011	First-Line Supervisors/Managers of Production and Operating Workers	\$13.50	\$20.20	Related Work Experience
47-2152	Plumbers, Pipefitters, and Steamfitters	\$13.90	\$19.80	Long-Term
33-3051	Police and Sheriffs Patrol Officers	\$14.80	\$18.40	Long-Term
43-5052	Postal Service Mail Carriers	\$16.90	\$18.80	Long-Term
41-4012	Sales Representatives, Wholesale and Manufacturing, Except Technical & Scientific	\$13.80	\$25.30	Moderate
41-4011	Sales Representatives, Wholesale and Manufacturing, Technical & Scientific	\$18.40	\$29.80	Moderate
25-1194	Vocational Education Teachers, Postsecondary	\$15.00	\$20.40	Related Work Experience

## Rest of the Five Star Jobs

<b>SOC Code</b>	<b>Title</b>	<b>Hourly Wage</b>		<b>Training Level</b>
		<b>Entry</b>	<b>Average</b>	
41-3011	Advertising Sales Agents	\$9.90	\$17.40	Moderate
49-3021	Automotive Body and Related Repairers	\$11.10	\$18.70	Long-Term
47-2021	Brickmasons and Blockmasons	\$17.30	\$22.70	Long-Term
53-3021	Bus Drivers, Transit and Intercity	\$11.00	\$14.00	Moderate
47-2031	Carpenters	\$11.70	\$16.10	Long-Term
13-1031	Claims Adjusters, Examiners, and Investigators	\$15.60	\$23.80	Long-Term
33-3012	Correctional Officers and Jailers	\$13.00	\$15.60	Moderate
13-1051	Cost Estimators	\$14.30	\$23.00	Related Work Experience
47-2081	Drywall and Ceiling Tile Installers	\$10.90	\$15.70	Moderate
49-9051	Electrical Power-Line Installers and Repairers	\$11.50	\$21.20	Long-Term
47-2111	Electricians	\$8.80	\$16.40	Long-Term
53-7032	Excavating and Loading Machine and Dragline Operators	\$11.90	\$15.80	Moderate
43-6011	Executive Secretaries and Administrative Assistants	\$11.70	\$15.40	Moderate

Source: Utah Department of Workforce Services.

\* Annual Wages

\*\* Estimated Wage

## Rest of the Five Star Jobs (Cont'd)

SOC Code	Title	Hourly Wage		Training Level
		Entry	Average	
37-1012	First-Line Supervisors/Managers of Landscaping, Lawn Service, and Groundskeeping	\$11.60	\$16.90	Related Work Experience
43-1011	First-Line Supervisors/Managers of Office and Administrative Support	\$9.70	\$18.10	Related Work Experience
33-1012	First-Line Supervisors/Managers of Police and Detectives	\$18.70	\$26.30	Related Work Experience
41-1011	First-Line Supervisors/Managers of Retail Sales Workers	\$10.00	\$15.80	Related Work Experience
53-1031	First-Line Supervisors/Managers of Transportation and Material-Moving Machine & Vehicle Operators	\$14.70	\$23.40	Related Work Experience
11-9051	Food Service Managers	\$11.60	\$17.40	Related Work Experience Long-Term
49-9021	Heating, Air Conditioning, and Refrigeration Mechanics and Installers	\$12.60	\$17.40	
43-4161	Human Resources Assistants, Except Payroll and Timekeeping	\$10.30	\$14.60	Short-Term
49-9041	Industrial Machinery Mechanics	\$13.90	\$19.40	Long-Term
11-9081	Lodging Managers	\$14.40	\$19.90	Related Work Experience Long-Term
51-4041	Machinists	\$10.20	\$15.60	
49-9042	Maintenance and Repair Workers, General	\$9.20	\$14.50	Moderate
47-5042	Mine Cutting and Channeling Machine Operators	\$15.80	\$17.50	Moderate
47-2073	Operating Engineers and Other Construction Equipment Operators	\$13.10	\$17.00	Moderate
51-9122	Painters, Transportation Equipment	\$11.10	\$17.20	Moderate
47-2161	Plasterers and Stucco Masons	\$11.50	\$16.40	Long-Term
43-5051	Postal Service Clerks	\$15.50	\$18.80	Short-Term
43-5053	Postal Service Mail Sorters, Processors, and Procesing Machine Operators	\$14.60	\$17.50	Short-Term
51-5023	Printing Machine Operators	\$9.80	\$15.90	Moderate
53-7072	Pump Operators, Except Wellhead Pumpers	\$11.90	\$17.40	Moderate
13-1023	Purchasing Agents, Except Wholesale, Retail, and Farm Products	\$15.90	\$23.30	Related Work Experience
47-2211	Sheet Metal Workers	\$10.20	\$16.60	Long-Term
17-3031	Surveying and Mapping Technicians	\$10.00	\$14.80	Moderate
47-2002	Tapers	\$9.60	\$16.00	Moderate
49-2022	Telecommunications Equipment Installers and Repairers, Except Line	\$19.70	\$23.30	Long-Term
49-9052	Telecommunications Line Installers and Repairers	\$14.50	\$16.10	Long-Term
47-2044	Tile and Marble Setters	\$11.20	\$15.60	Long-Term
11-3071	Transportation, Storage, and Distribution Managers	\$19.30	\$30.60	Related Work Experience
53-3032	Truck Drivers, Heavy and Tractor-Trailer	\$12.60	\$17.00	Moderate
51-8031	Water and Liquid Waste Treatment Plant and System Operators	\$14.20	\$21.40	Long-Term

Source: Utah Department of Workforce Services.

\* Annual Wages

\*\* Estimated Wage

# Supply-side Economics



Just because an occupation is listed in this publication, doesn't mean jobs will be easy to find! These openings cover only the "demand" for occupations. Every good economist knows you also need to look at the supply side of the equation. In other words, you need to know the competition for that occupation. Unfortunately, that isn't easy. There's not much supply-side data available.

An occupation may create *hundreds* of new openings a year. BUT, if *thousands* of workers are qualified for those positions, a bunch of people

won't be able to find work in that career!

In other words, look into the competition for a particular occupation—not just the demand data you find in this publication.

You'll have to do your homework! Check with people already employed in the occupation and employers who hire that occupation to determine whether there is an over- or under-supply of workers.

In addition, some information on shortages and surpluses can be found in the *Occupational Outlook Handbook*,

published by the U.S Bureau of Labor Statistics. You can access the occupation you are interested in at this website: <http://www.bls.gov/oco> by using the "search" or "index" buttons.



## On the Web

**Utah Department of Workforce Services:** <http://jobs.utah.gov/wi/occi.asp>

**Bureau of Labor Statistics:** <http://www.bls.gov/bls/occupation.htm>

**O\*Net—Occupational Information Network:** <http://online.onetcenter.org>

**Career Information for Kids:** [http://www.bls.gov/k12/html/edu\\_over.htm](http://www.bls.gov/k12/html/edu_over.htm)

**Looking for a job in Utah:** <http://jobs.utah.gov/jobseeker/jsservices.asp>



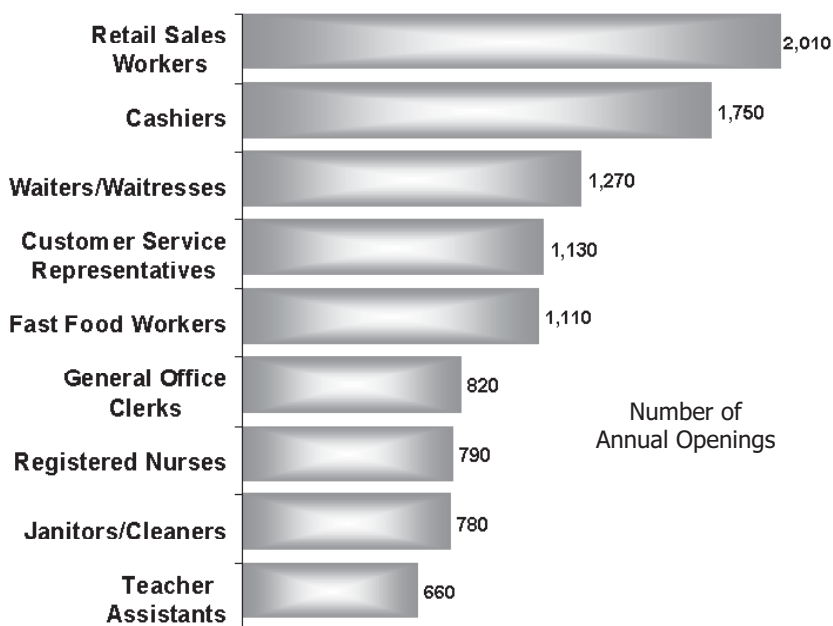
# Note:

× ***Some low-paying positions are among those with the most new openings—like occupations in the fast-food industry or retail sales. These are large occupations to begin with. In addition, replacement needs are high because workers typically move on to other occupations.***

× ***Occupations in healthcare show faster-than-average growth. Aging baby boomers will require more medical attention in years to come.***

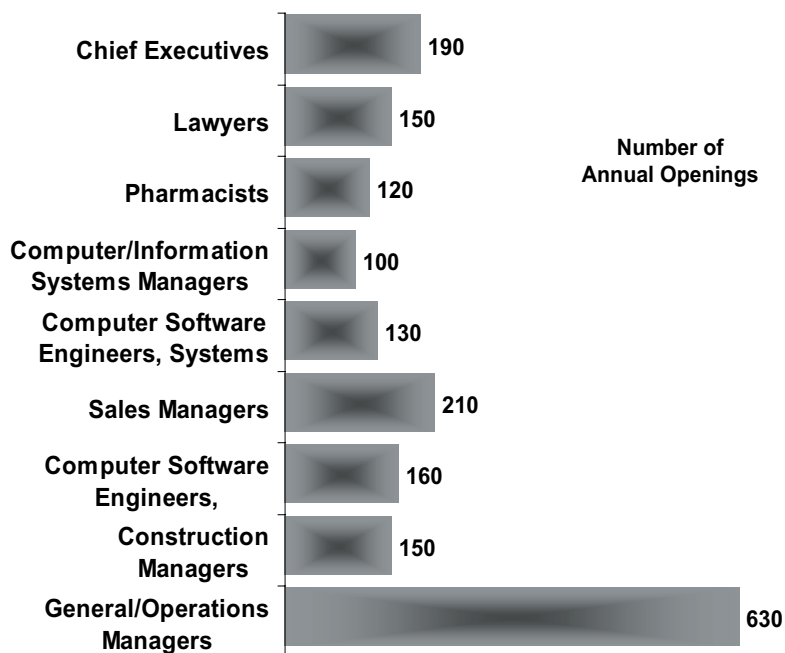
× ***Despite a short-term decline in “tech” industries, computer-related occupations will be among the fastest growing occupations in the long term.***

## Occupations with Most Utah Metro Openings 2002-2012



Source: Utah Department of Workforce Services.

## Highest Paying Utah Metro Occupations with 100 or More Annual Openings 2002-2012



Source: Utah Department of Workforce Services.

# Can't find the occupation you want?



Some bureaucrats thought up these occupational groups. If you aren't an occupational data junkie, they might be unintelligible. Here's some "regular guy" definitions:

**Office and Administrative Support:** Secretarial and clerical jobs.

**Sales and Related:** Jobs where you sell something: cashiers, sales clerks, commission sales, telemarketers, etc.

**Food Preparation and Serving:** Cooks, chefs, fast food workers, waitresses/waiters, etc.

**Construction and Extraction:** Construction and mining jobs

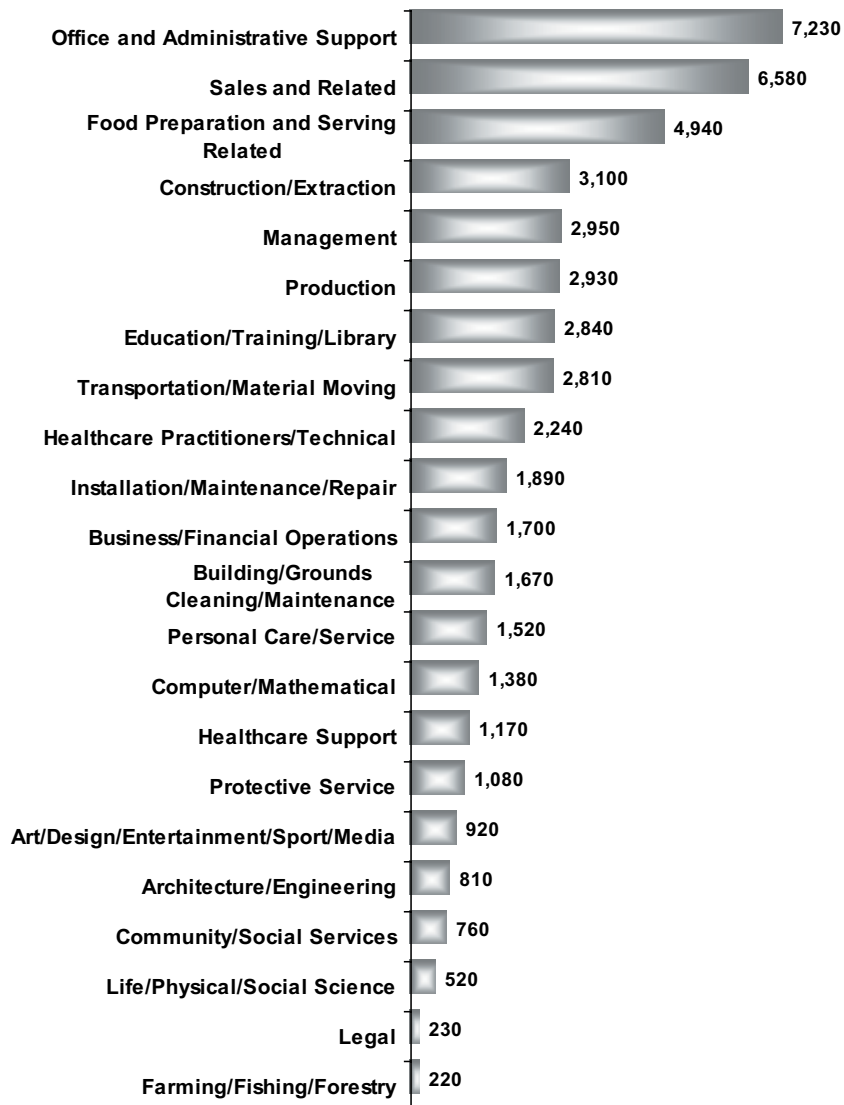
**Education, Training, and Library:** Teachers, professors, trainers, librarians, etc.

**Management:** "The boss" — doesn't include the first level of supervision.

**Healthcare Practitioners and Technical:** Doctors, nurses, dentists, health technicians, etc.

**Computer and Mathematical:** Programmers, software engineers, database managers, LAN administrators, mathematicians, statisticians, etc.

## Utah Metro Major Groups Annual Average Openings 2002-2012



Source: Utah Department of Workforce Services.



**Installation, Maintenance and Repair:** Jobs where you install something or fix something.

**Business and Financial Operations:** Typically professional jobs which deal in business operations (like a human resource person) or financial operations (like an accountant).

**Personal Care and Service:** Barbers, hairstylists, funeral attendants, tour guides, child care workers, aerobics instructors, etc.

**Protective Service:** Police, guards, firefighters, etc.

**Healthcare Support:** Health-care aides and orderlies (lower-skilled healthcare).

**Art, Design, Entertainment, Sports, Media:** Yup, just what it says.

**Community and Social Services:** Counselors, social workers, clergy.

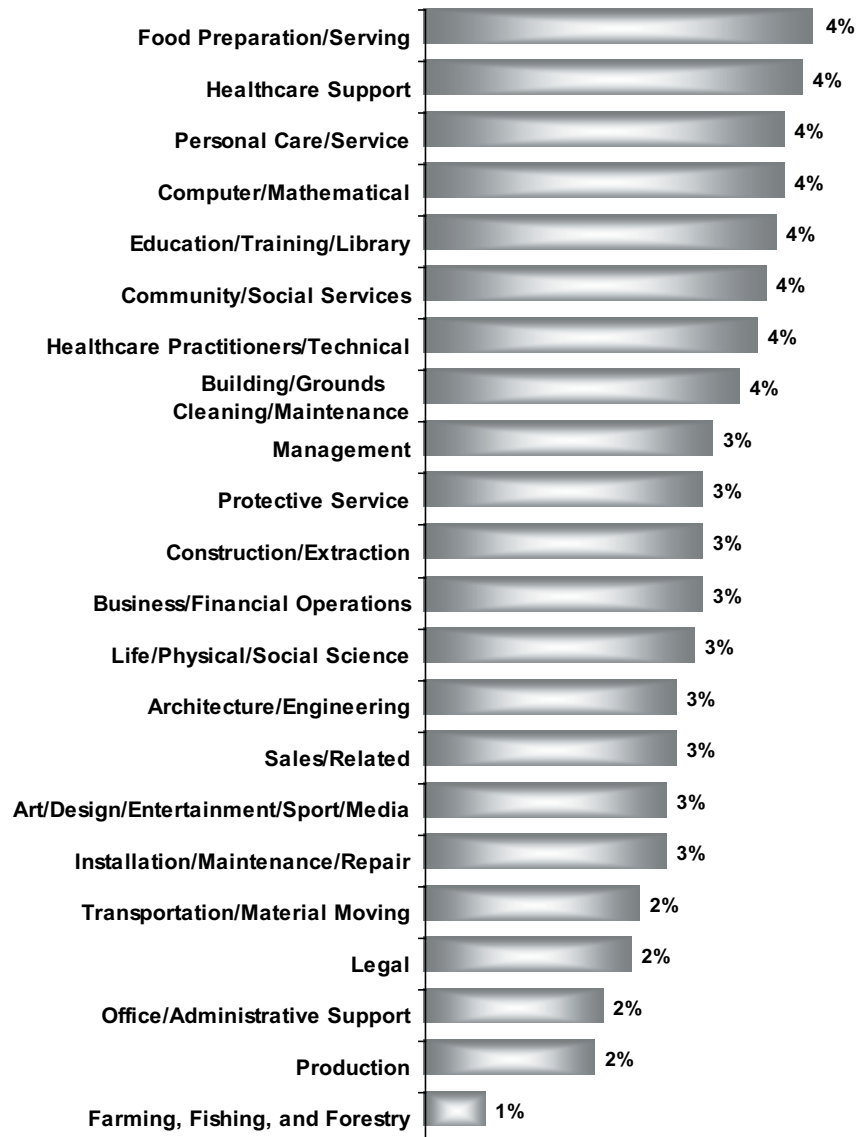
**Architecture and Engineering:** Architects and engineers.

**Life, Physical and Social Science:** Scientists of all sorts; biologists, physicists, astronomers, sociologists, political scientists, etc.

**Farming, Fishing and Forestry:** Farmers, fishers, and forest workers.

**Legal:** Lawyers, judges and their helpers.

## Utah Metro Major Groups Annual Average Growth 2002-2012

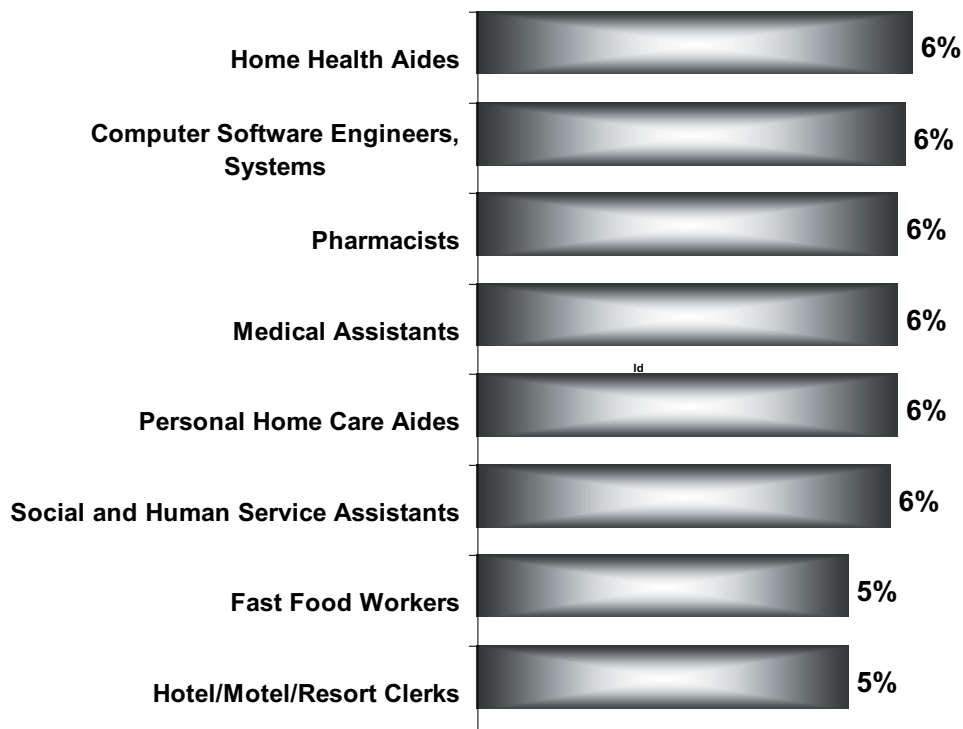


Source: Utah Department of Workforce Services.

# What's "Metro?"

*In this publication, the "metro" group includes Davis, Salt Lake, Utah, and Weber Counties.*

## Fastest Growing Utah Metro Occupations with 100 or More Annual Openings, 2002-2012



Source: Utah Department of Workforce Services.

***Workforce Information generates accurate, timely, and understandable data and analyses that provide knowledge of ever-changing workforce environments to inform sound planning and decision making.***

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### **Equal Opportunity Employment Program**

Auxiliary aids and services are available upon request to individuals with disabilities. Call (801) 526-9240. Individuals with speech and/or hearing impairments may call the state relay at 1-800-346-4128